THERMOCHIMICA ACTA, VOLUME 130 (1988)

AUTHOR INDEX

Acree, W.E., Jr. 367
Airoldi, C. 95
Alsina, Mª A. 221
Antolini, L. 67
Armand, J.Y. 355
Arnaiz, A. 345
Arrieta, J.M. 345
Azandegbe, E.C. 121

Balazs, D. 309
Baraldi, P. 67
Bartsch, R.A. 103
Becker, W. 87
Benlian, D. 205
Biernacki, L. 329
Bigot, J. 177
Borrás, J. 213
Borrull, F. 241
Bouzon, J. 355
Bradshaw, J.S. 103
Bunyan, P.F. 335
Busquets, A. 221

Calull, M. 241
Cardile, C.M. 259
Castelli, F. 221
Chakravortty, V. 319, 369
Chevalier, P.-Y. 1, 15, 25, 33
Colacio-Rodríguez, E. 213, 229
Cuadrado, L. 345

Dowling, D.P. 43
Dai, A.B. 77
De Souza, A.G. 95
Debuigne, J. 177
Daugherty, K.E. 173
Dash, K.C. 319, 369
De Soria, M.L.G. 249

Elegant, L. 149
Ellis, H.A. 281
Engler, P. 309
Etchessahar, E. 177

Fujisawa, T. 155

García-Antón, J.M. 221
Gargallo, L. 289
Gibson, J.K. 55
Glass, W.K. 43
Gòrecki, Cz. 329
Gòrecki, T. 329
Gunin, E.A. 269
Guslev, V.G. 269

Haire, R.G. 55
Harmelin, M. 177
Homs, N. 241
Huang, J.M. 173

Jacob, K.T. 193
Jeon, E.G. 103
Jones, M.N. 165
Jones, W.G. 141

Katz, M. 249
Knudsen, B.E. 103

Lamprecht, I. 87
Lesnikovich, A.I. 269
Liu, H. 355
Lorente, L. 345

MacKenzie, K.J.D. 259
Marcé, R.M. 241
Marcotrigiano, G. 67
Martin-Gil, J. 375
Menabue, L. 67
Mittleman, M.L. 309
Mohanty, S.K. 369
Morini, P. 67
Mossoyan, J.C. 205
Muraishi, K. 155

Ohashi, H. 115
Ouarzazi, J. 205

Panda, C.R. 319
Paz-Andrade, M.I. 165

Pope, M.I. 141
Postigo, M.A. 249
Procyk, A.D. 367
Ptaszyński, B. 299
Pugia, M.J. 103

Radić, D. 289
Ramirez de la Piscina, P. 241
Reich, L. 381
Reig, F. 221
Rey, F.J. 375
Rodríguez-Nuñez, E.A. 165

Sahoo, R.K. 369
Saladini, M. 67
Salas Peregrín, J.M. 229
Salman, M. 149
Sánchez Martínez, E. 229
Sancho, A. 213
Santana, M.W. 309
Santiago, C. 345
Sarmiento, F. 165
Schwob, Y. 149
Shukla, J.P. 103
Soto, E. 289
Soto, L. 213
Srikanth, S. 193
Stivala, S.S. 381

Tagle, L.H. 289

Valencia, G. 221
Valenzuela Calahorro, C. 229
Vergnaud, J.M. 355
Vyazovkin, S.V. 269

Waseda, Y. 193
Wells, C.F. 127

Xin, X.Q. 77

Yuan, J.H. 77

Zurita, J.L. 249

THERMOCHIMICA ACTA, VOLUME 130 (1988)

SUBJECT INDEX

Ag,
critical assessment of thermodynamic data for the Ag–Ge system (Chevalier) 25
thermodynamic evaluation of the Ag–Si system (Chevalier) 33
Alkali chalcogenides,
relations between the heats of formation of the alkali chalcogenides and the electronegativities of the chalcogen ions (O, S, Se and Te) (Ohashi) 115
Allophanes,
the structure and thermal reactions of natural iron-containing allophanes studied by 57-Fe Mössbauer spectroscopy (MacKenzie, Cardile) 259
Ambiguity,
illustration of the ambiguity in solving inverse kinetic problems (Vyazovkin et al.) 269
Aminoacidates,
calorimetric and structural investigation of monomeric and dimeric copper(II)-N-protected aminoacidates (Antolini et al.) 67
Antimony(III) diethyldithiocarbamate complexes,
the thermochemistry of antimony(III) and bismuth(III) diethyldithiocarbamate complexes (de Souza, Airoldi) 95
Aqueous dioxane,
thermodynamic acid dissociation constants for proton-ionizable crown compounds in aqueous dioxane (Shukla et al.) 103
Au,
a thermodynamic evaluation of the Au–Sn system (Chevalier) 1
thermodynamic evaluation of the Au–Bi system (Chevalier) 15

Bi,
thermodynamic evaluation of the Au–Bi system (Chevalier) 15
Bidentate heterocyclic Schiff bases,
spectral and thermogravimetric studies on thorium(IV) complexes with bidentate heterocyclic Schiff bases (Panda et al.) 319
Bismuth(III) diethyldithiocarbamate complexes,
the thermochemistry of antimony(III) and bismuth(III) diethyldithiocarbamate complexes (de Souza, Airoldi) 95
Calcination,
inhibition of the calcination of calcium carbonate (Huang, Daugherty) 173
Calcium carbonate,
inhibition of the calcination of calcium carbonate (Huang, Daugherty) 173
Calorimetry,
combination of calorimetry and endoscopy for monitoring locomotor activities of small animals (Lamprecht, Becker) 87
Carboxylic acids,
calorimetric study of some carboxylic acids Lewis-bases complexes in view of thermal energy storage (Elegant et al.) 149
Catalytic effect,
cobalt(II) determination at ppb levels based on its catalytic effect on the hydrazine–hydrogen peroxide reaction. Study by thermometric method (Calull et al.) 241
Chalcogen ions (O, S, Se and Te),
relations between the heats of formation of the alkali chalcogenides and the electronegativities of the chalcogen ions (O, S, Se and Te) (Ohashi) 115
Cimetidine,
thermal decomposition of metal complexes of cimetidine (Sancho et al.) 213
Cobalt(II)
Cobalt(II) determination at ppb levels based on its catalytic effect on the hydrazine–hydrogen peroxide reaction. Study by thermometric method (Calull et al.) 241
Complex formation,
peptide–lanthanide cation equilibria in aqueous solution. IV. Isomorphous substitution, conformations and thermodynamics of complex formation (Ouarzazi et al.) 205
Computer algorithm,
on the experimental evaluation of a Reich and Stivala computer algorithm by House et al. (Reich, Stivala) 381
Computer evaluation,
computer evaluation of non-isothermal kinetic parameters from TG data (Sahoo et al.) 369
Conformational equilibria,
microcalorimetric study of the conformational equilibria of dibromo-1,2-cyclohexane (Azandegbe) 121

Copper(I) complexes,
thermal analysis of some methylhydrazine and methylhydrazinium complexes of copper(II), copper(I) and mixed valence species (Dowling, Glass) 43
Copper(II) complexes,
thermal analysis of some methylhydrazine and methylhydrazinium complexes of copper(II), copper(I) and mixed valence species (Dowling, Glass) 43
$Cs_3[Sb_{2-x}Pb_xCl_{9-x}]$,
a study of thermal decomposition of complex compounds of $Cs_3[Sb_{2-x}Pb_xCl_{9-x}]$ type (Ptaszyński) 299

Dehydration kinetics,
investigation of the dehydration kinetics of 2-ethylpyridinium metatungstate monohydrate using a rising temperature technique (Arnaiz et al.) 345
Dibromo-1,2-cyclohexane,
microcalorimetric study of the conformational equilibria of dibromo-1,2-cyclohexane (Azandegbe) 121
Diether,
excess enthalpies of ketones + diether at 298.15 K (Rey, Martin-Gil) 375
Dilatometry,
structural relaxation and crystallization of $Fe_{78}B_{13}Si_9$ amorphous ribbons studied by dilatometry and differential scanning calorimetry (Harmelin et al.) 177
Dimeric copper(II)-*N*-protected aminoacidates,
calorimetric and structural investigation of monomeric and dimeric copper(II)-*N*-protected aminoacidates (Antolini et al.) 67
Diphenylglyoxal solutions,
comment on "Entropies of diphenylglyoxal solutions in non-polar solvents" (Acree, Procyk) 367

Electronegativities,
relations between the heats of formation of the alkali chalcogenides and the electronegativities of the chalcogen ions (O, S, Se and Te) (Ohashi) 115
Endoscopy,
combination of calorimetry and endoscopy for monitoring locomotor activities of small animals (Lamprecht, Becker) 87
8-Ethyl-1,3-dimethylxanthine,
thermal studies on purine complexes. Part XIV. Thermal behaviour of 8-ethyl-1-methylxanthine, 8-ethyl-1,3-dimethylxanthine and some of their metal complexes (Sánchez Martínez et al.) 229
8-Ethyl-1-methylxanthine,
thermal studies on purine complexes. Part XIV. Thermal behaviour of 8-ethyl-1-methylxanthine, 8-ethyl-1,3-dimethylxanthine and some of their metal complexes (Sánchez Martínez et al.) 229
Ethylmorphine,
ethylmorphine–lipid interaction study by calorimetry and monolayer techniques (Castelli et al.) 221
2-Ethylpyridinium metatungstate monohydrate,
investigation of the dehydration kinetics of 2-ethylpyridinium metatungstate monohydrate using a rising temperature technique (Arnaiz et al.) 345
Excess enthalpies,
excess enthalpies of ketones + diether at 298.15 K (Rey, Martin-Gil) 375
Exoelectron emission,
exoelectron emission accompanying the phase transformations in some silver salts (Gòrecki et al.) 329

$Fe_{78}B_{13}Si_9$,
structural relaxation and crystallization of $Fe_{78}B_{13}Si_9$ amorphous ribbons studied by dilatometry and differential scanning calorimetry (Harmelin et al.) 177
57-Fe Mössbauer spectroscopy,
the structure and thermal reactions of natural iron-containing allophanes studied by 57-Fe Mössbauer spectroscopy (MacKenzie, Cardile) 259
Ferric oxide,
the heats of adsorption of zinc di n-alkyl dithio phosphates onto pure iron, cast iron and ferric oxide surfaces (Jones, Pope) 141

Ge,
critical assessment of thermodynamic data for the Ag–Ge system (Chevalier) 25
Glass transition temperature,
effect of the side chain structure on the glass transition temperature. Part 3. Molecular weight dependence of T_g in some poly(thiocarbonates) (Gargallo et al.) 289

Heat flow calorimetry,
a technique to measure the specific heat of reactive materials by heat flow calorimetry (Bunyan) 335
Heats of formation,
relations between the heats of formation of the alkali chalcogenides and the electronegativities of the chalcogen ions (O, S, Se and Te) (Ohashi) 115

Hydrazine,
cobalt(II) determination at ppb levels based on its catalytic effect on the hydrazine–hydrogen peroxide reaction. Study by thermometric method (Callul et al.) 241
Hydrogen peroxide,
cobalt(II) determination at ppb levels based on its catalytic effect on the hydrazine–hydrogen peroxide reaction. Study by thermometric method (Calull et al.) 241

Inhibition,
inhibition of the calcination of calcium carbonate (Huang, Daugherty) 173
Inverse kinetic problems,
illustration of the ambiguity in solving inverse kinetic problems (Vyazovkin et al.) 269
Ionic solvation,
ionic solvation in water + co-solvent mixtures. Part 16. Free energies of transfer of large single ions with the "neutral" component removed from water into water + enthanol mixtures (Wells) 127
Iron,
the heats of adsorption of zinc di n-alkyl dithio phosphates onto pure iron, cast iron and ferric oxide surfaces (Jones, Pope) 141
Iron powder,
thermal decomposition of $K_3Co(CN)_5L$ in hydrogen atmosphere and the influence of reduced iron powder (Yuan et al.) 77

$K_3Co(CN)_5L$,
thermal decomposition of $K_3Co(CN)_5L$ in hydrogen atmosphere and the influence of reduced iron powder (Yuan et al.) 77
Ketones,
excess enthalpies of ketones + diether at 298.15 K (Rey, Martin-Gil) 375

Lanthanide cation,
peptide–lanthanide cation equilibria in aqueous solution. IV. Isomorphous substitution, conformations and thermodynamics of complex formation (Ouarzazi et al.) 205
Lanthanide trifluorides,
vaporization studies of mixed lanthanide trifluorides (Gibson, Haire) 55
Large single ions,
ionic solvation in water + co-solvent mixtures. Part 16. Free energies of transfer of large single ions with the "neutral" component removed from water into water + enthanol mixtures (Wells) 127
Layer of air,
effect of the layer of air between the calorimeter and cylindrical samples in DC experiments (Liu et al.) 355
Lead(II) decanoate,
thermal behaviour of the system: lead(II) decanoate/lead(II) octadecanoate (Ellis) 281
Lead(II) octadecanoate,
thermal behaviour of the system: lead(II) decanoate/lead(II) octadecanoate (Ellis) 281
Linoleic acid,
the interaction of linoleic acid with myosin and its subfragments: a microcalorimetric study (Paz-Andrade et al.) 165
Lipid,
ethylmorphine–lipid interaction study by calorimetry and monolayer techniques (Castelli et al.) 221
Locomotor activities,
combination of calorimetry and endoscopy for monitoring locomotor activities of small animals (Lamprecht, Becker) 87

Metal complexes,
thermal decomposition of metal complexes of cimetidine (Sancho et al.) 213
thermal studies on purine complexes. Part XIV. Thermal behaviour of 8-ethyl-1-methylxanthine, 8-ethyl-1,3-dimethylxanthine and some of their metal complexes (Sánchez Martínez et al.) 229
Methylacetate,
excess thermodymamic properties of the n-pentane + methylacetate system at 298.15 K (de Soria et al.) 249
Methylhydrazine complexes,
thermal analysis of some methylhydrazine and methylhydrazinium complexes of copper(II), copper(I) and mixed valence species (Dowling, Glass) 43
Methylhydrazinium complexes,
thermal analysis of some methylhydrazine and methylhydrazinium complexes of copper(II), copper(I) and mixed valence species (Dowling, Glass) 43
Mg,
vapour composition and activities in Mg–Zn liquid alloy at 923 K (Jacob et al.) 192
Mixed lanthanide trifluorides,
vaporization studies of mixed lanthanide trifluorides (Gibson, Haire) 55
Mixed valence species,
thermal analysis of some methylhydrazine and methylhydrazinium complexes of copper(II), copper(I) and mixed valence species (Dowling, Glass) 43
Monolayer technique,
ethylmorphine–lipid interaction study by

calorimetry and monolayer techniques (Castelli et al.) 221
Monomeric copper(II)-*N*-protected aminoacidates,
calorimetric and structural investigation of monomeric and dimeric copper(II)-*N*-protected aminoacidates (Antolini et al.) 67
Myosin,
the interaction of linoleic acid with myosin and its subfragments: a microcalorimetric study (Paz-Andrade et al.) 165

Non-isothermal kinetic parameters,
computer evaluation of non-isothermal kinetic parameters from TG data (Sahoo et al.) 369
Non-polar solvents,
comment on "Entropies of diphenylglyoxal solutions in non-polar solvents" (Acree, Procyk) 367

n-Pentane,
excess thermodynamic properties of the n-pentane + methylacetate system at 298.15 K (de Soria et al.) 249
Peptide,
peptide–lanthanide cation equilibria in aqueous solution. IV. Isomorphous substitution, conformations and thermodynamics of complex formation (Ouarzazi et al.) 205
Phase transformations,
exoelectron emission accompanying the phase transformations in some silver salts (Gòrecki et al.) 329
Poly(thiocarbonates),
effect of the side chain structure on the glass transition temperature. Part 3. Molecular weight dependence of T_g in some poly(thiocarbonates) (Gargallo et al.) 289
Proton-ionizable crown compounds,
thermodynamic acid dissociation constants for proton-ionizable crown compounds in aqueous dioxane (Shukla et al.) 103
Purine complexes,
thermal studies on purine complexes. Part XIV. Thermal behaviour of 8-ethyl-1-methylxanthine, 8-ethyl-1,3-dimethylxanthine and some of their metal complexes (Sánchez Martínez et al.) 229

Rising temperature technique,
investigation of the dehydration kinetics of 2-ethylpyridinium metatungstate monohydrate using a rising temperature technique (Arnaiz et al.) 345

Samarium phosphate monohydrate,
thermal behavior of samarium phosphate monohydrate in the solid state (Muraishi, Fujisawa) 155
Schiff bases,
spectral and thermogravimetric studies on thorium(IV) complexes with bidentate heterocyclic Schiff bases (Panda et al.) 319
Si,
thermodynamic evaluation of the Ag–Si system (Chevalier) 33
Side chain,
effect of the side chain structure on the glass transition temperature. Part 3. Molecular weight dependence of T_g in some poly(thiocarbonates) (Gargallo et al.) 289
Silver salts,
exoelectron emission accompanying the phase transformations in some silver salts (Gòrecki et al.) 329
Sn,
a thermodynamic evaluation of the Au–Sn system (Chevalier) 1
Specific heat,
a technique to measure the specific heat of reactive materials by heat flow calorimetry (Bunyan) 335
Structural relaxation,
structural relaxation and crystallization of $Fe_{78}B_{13}Si_9$ amorphous ribbons studied by dilatometry and differential scanning calorimetry (Harmelin et al.) 177

Thermal energy storage,
calorimetric study of some carboxylic acids Lewis-bases complexes in view of thermal energy storage (Elegant et al.) 149
Thorium(IV) complexes,
spectral and thermogravimetric studies on thorium(IV) complexes with bidentate heterocyclic Schiff bases (Panda et al.) 319
Time/temperature resolution,
high temperature X-ray diffraction techniques for enhancing time/temperature resolution (Engler et al.) 309

Water + ethanol mixtures,
ionic solvation in water + co-solvent mixtures. Part 16. Free energies of transfer of large single ions with the "neutral" component removed from water into water + enthanol mixtures (Wells) 127

Zinc di n-alkyl dithio phosphates,
the heats of adsorption of zinc di n-alkyl dithio phosphates onto pure iron, cast iron and ferric oxide surfaces (Jones, Pope) 141
Zn,
vapour composition and activities in Mg–Zn liquid alloy at 923 K (Jacob et al.) 192

CONTENTS

(Abstracted / Indexed in: Curr. Contents: Phys., Chem. Earth Sci.; Eng., Technol. Appl. Sci., Chem. Abstr.)

A thermodynamic evaluation of the Au–Sn system
P.-Y. Chevalier (Saint Martin d'Hères, Cédex, France) 1
Thermodynamic evaluation of the Au–Bi system
P.-Y. Chevalier (Saint Martin d'Hères Cédex, France) 15
Critical assessment of thermodynamic data for the Ag–Ge system
P.-Y. Chevalier (Saint Martin d'Hères, Cédex, France) 25
Thermodynamic evaluation of the Ag–Si system
P.-Y. Chevalier (Saint Martin d'Hères Cédex, France) 33
Thermal analysis of some methylhydrazine and methylhydrazinium complexes of copper(II), copper(I) and mixed valence species
D.P. Dowling and W.K. Glass (Dublin, Republic of Ireland) 43
Vaporization studies of mixed lanthanide trifluorides
J.K. Gibson and R.G. Haire (Oak Ridge, TN, U.S.A.) 55
Calorimetric and structural investigation of monomeric and dimeric copper(II)-*N*-protected aminoacidates
L. Antolini, P. Baraldi, L. Menabue, M. Saladini (Modena, Italy), G. Marcotrigiano and P. Morini (Bari, Italy) 67
Thermal decomposition of $K_3Co(CN)_5L$ in hydrogen atmosphere and the influence of reduced iron powder
J.H. Yuan, X.Q. Xin and A.B. Dai (Nanjing, People's Republic of China) 77
Combination of calorimetry and endoscopy for monitoring locomotor activities of small animals
I. Lamprecht (Berlin, F.R.G.) and W. Becker (Hamburg, F.R.G.) 87
The thermochemistry of antimony(III) and bismuth(III) diethyldithiocarbamate complexes
A.G. de Souza and C. Airoldi (Campinas, Brasil) 95
Thermodynamic acid dissociation constants for proton-ionizable crown compounds in aqueous dioxane
J.P. Shukla, E.G. Jeon, B.E. Knudsen, M.J. Pugia, J.S. Bradshaw and R.A. Bartsch (Lubbock, TX, U.S.A.) 103
Relations between the heats of formation of the alkali chalcogenides and the electronegativities of the chalcogen ions (O, S, Se and Te)
H. Ohashi (Ibaraki, Japan) 115
Analyse conformationnelle du dibromo 1,2 cyclohexane par microcalorimétrie
E.C. Azandegbe (Cotonou, République Populaire de Bénin) 121
Ionic solvation in water + co-solvent mixtures. Part 16. Free energies of transfer of large single ions with the "neutral" component removed from water into water + ethanol mixtures
C.F. Wells (Birmingham, Gt. Britain) 127
The heats of adsorption of zinc di n-alkyl dithio phosphates onto pure iron, cast iron and ferric oxide surfaces
W.G. Jones and M.I. Pope (Portsmouth, Gt. Britain) 141
Calorimetric study of some carboxylic acids Lewis-bases complexes in view of thermal energy storage
L. Elégant, M. Salman and Y. Schwob (Nice, France) 149
Thermal behavior of samarium phosphate monohydrate in the solid state
K. Muraishi (Yamagata, Japan) and T. Fujisawa (Yonezawa, Japan) 155
The interaction of linoleic acid with myosin and its subfragments: a microcalorimetric study
M.I. Paz-Andrade, E.A. Rodríguez-Nuñez, F. Sarmiento and M.N. Jones (Manchester, Gt. Britain) 165
Inhibition of the calcination of calcium carbonate
J.M. Huang and K.E. Daugherty (Denton, TX, U.S.A.) 173

Structural relaxation and crystallization of $Fe_{78}B_{13}Si_9$ amorphous ribbons studied by dilatometry and differential scanning calorimetry
M. Harmelin, J. Bigot (Vitry-sur-Seine Cédex, France), E. Etchessahar and J. Debuigne (Rennes Cédex, France) 177
Vapour composition and activities in Mg–Zn liquid alloy at 923 K
K.T. Jacob, S. Srikanth (Bangalore, India) and Y. Waseda (Sendai, Japan) 193
Peptide–lanthanide cation equilibria in aqueous solution. IV. Isomorphous substitution, conformations and thermodynamics of complex formation
J. Ouarzazi, J.C. Mossoyan and D. Benlian (Marseille Cédex, France) 205
Thermal decomposition of metal complexes of cimetidine
A. Sancho, J. Borrás, L. Soto (Valencia, Spain) and E. Colacio-Rodríguez (Granada, Spain) .. 213
Ethylmorphine–lipid interaction study by calorimetry and monolayer techniques
F. Castelli (Catania, Spain), F. Reig, J.M. García-Antón, M^{a}A. Alsina, A. Busquets and G. Valencia (Barcelona, Spain) 221
Thermal studies on purine complexes. Part XIV. Thermal behaviour of 8-ethyl-1-methylxanthine, 8-ethyl-1,3-dimethylxanthine and some of their metal complexes
E. Sánchez Martínez, J.M. Salas Peregrín, C. Valenzuela Calahorro (Badajoz, Spain) and E. Colacio Rodríguez (Granada, Spain) 229
Cobalt(II) determination at ppb levels based on its catalytic effect on the hydrazine–hydrogen peroxide reaction. Study by thermometric method
M. Calull, R.M. Marcé, N. Homs, P. Ramírez de la Piscina and F. Borrull (Tarragona, Spain) . 241
Excess thermodynamic properties of the n-pentane + methylacetate system at 298.15 K
M.L.G. de Soria, J.L. Zurita, M.A. Postigo and M. Katz (S.M. de Tucumán, Argentina) 249
The structure and thermal reactions of natural iron-containing allophanes studied by 57-Fe Mössbauer spectroscopy
K.J.D. MacKenzie and C.M. Cardile (Petone, New Zealand) 259
Illustration of the ambiguity in solving inverse kinetic problems
S.V. Vyazovkin, A.I. Lesnikovich, E.A. Gunin and V.G. Guslev (Minsk, U.S.S.R.) 269
Thermal behaviour of the system: lead(II) decanoate/lead(II) octadecanoate
H.A. Ellis (Kingston, Jamaica) 281
Effect of the side chain structure on the glass transition temperature. Part 3. Molecular weight dependence of T_g in some poly(thiocarbonates)
L. Gargallo, E. Soto, L.H. Tagle and D. Radić (Santiago, Chile) 289
A study of thermal decomposition of complex compounds of $Cs_3[Sb_{2-x}Pb_xCl_{9-x}]$ type
B. Ptaszyński (Łódź, Poland) 299
High temperature X-ray diffraction techniques for enhancing time/temperature resolution
P. Engler, M.W. Santana, M.L. Mittleman and D. Balazs (Cleveland, OH, U.S.A.) 309
Spectral and thermogravimetric studies on thorium(IV) complexes with bidentate heterocyclic Schiff bases
C.R. Panda, V. Chakravortty and K.C. Dash (Orissa, India) 319
Exoelectron emission accompanying the phase transformations in some silver salts
T. Gòrecki, Cz. Gòrecki and L. Biernacki (Opole, Poland) 329
A technique to measure the specific heat of reactive materials by heat flow calorimetry
P.F. Bunyan (Essex, Gt. Britain) 335
Investigation of the dehydration kinetics of 2-ethylpyridinium metatungstate monohydrate using a rising temperature technique
A. Arnaiz, L. Cuadrado, C. Santiago, L. Lorente and J.M. Arrieta (Bilbao, Spain) 345
Effect of the layer of air between the calorimeter and cylindrical samples in DC experiments
H. Liu, J.Y. Armand, J. Bouzon and J.M. Vergnaud (Saint-Etienne, France) 355

Notes

Comment on "Entropies of diphenylglyoxal solutions in non-polar solvents"
W.E. Acree, Jr. and A.D. Procyk (Kent, OH, U.S.A.) 367
Computer evaluation of non-isothermal kinetic parameters from TG data
R.K. Sahoo, S.K. Mohanty, V. Chakravortty and K.C. Dash (Orissa, India) 369

Excess enthalpies of ketones + diether at 298.15 K
F.J. Rey and J. Martin-Gil (Valladolid, Spain) 375
On the experimental evaluation of a Reich and Stivala computer algorithm by House et al.
L. Reich and S.S. Stivala (Hoboken, NJ, U.S.A.) 381

Author Index 387

Subject Index 389